

### AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application. Please cancel claims 1-4, 13-15, 17-19, 21-22, 24-26, 28-29, 31-36, 40 and 45-48 without prejudice.

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Previously Amended) The heat sink assembly of claim 9, wherein the first and second heat conduction distances are substantially the same.
8. (Canceled)
9. (Previously Amended) A heat sink assembly comprising:
  - a heat conduit;
  - a block formed of a thermally conductive non-metallic material having a first thermal conductivity,
  - the heat conduit extending through a substantial portion of the block,
  - the heat conduit having a second thermal conductivity greater than the first thermal conductivity,
  - wherein the block has a first segment on one side of a portion of the heat conduit, and the block has a second segment on another side of the portion of the heat conduit,
  - the first segment having a first heat conduction distance to dissipate heat from the heat conduit, and the second segment having a second heat conduction distance to dissipate heat from the heat conduit; and
  - a second heat conduit extending through another substantial portion of the block,
  - wherein the block has a third segment on one side of a portion of the second heat conduit, and the block has a fourth segment on another side of the portion of the second heat conduit,

the third segment having a third heat conduction distance to dissipate heat from the second heat conduit, and the fourth segment having a fourth heat conduction distance to dissipate heat from the second heat conduit.

10. (Original) The heat sink assembly of claim 9, wherein each of the first, second, third, and fourth segments have airflow channels extending therethrough.

- 11. (Canceled)
- 12. (Canceled)
- 13. (Canceled)
- 14. (Canceled)
- 15. (Canceled)
- 16. (Canceled)
- 17. (Canceled)
- 18. (Canceled)
- 19. (Canceled)
- 20. (Canceled)
- 21. (Canceled)
- 22. (Canceled)
- 23. (Canceled)
- 24. (Canceled)
- 25. (Canceled)
- 26. (Canceled)
- 27. (Canceled)
- 28. (Canceled)
- 29. (Canceled)
- 30. (Canceled)
- 31. (Canceled)
- 32. (Canceled)
- 33. (Canceled)
- 34. (Canceled)

35. (Canceled)
36. (Canceled)
37. (Previously Amended) A system comprising:  
a component; and  
a heat sink thermally contacted to the component,  
the heat sink having a block formed of a thermally conductive non-metallic material, the  
heat sink having a first segment and a second segment,  
the heat sink further having a heat conduit extending through the block between the first  
and second segments, the first segment to transfer heat away from the heat conduit in a first  
direction, and the second segment to transfer heat away from the heat conduit in a second  
direction,  
wherein the block further has a third segment and a fourth segment, the heat sink further  
having a second heat conduit extending between the third and fourth segments.
38. (Original) The system of claim 37, wherein the thermally conductive material comprises  
thermally conductive polymer.
39. (Original) The system of claim 37, wherein the heat conduits comprise heat pipes.
40. (Canceled)
41. (Canceled)
42. (Canceled)
43. (Canceled)
44. (Canceled)
45. (Canceled)
46. (Canceled)
47. (Canceled)
48. (Canceled)